

# SUPERCONDUCTING MAGNET COIL SUPPORT STRUCTURE

## Abstract

A superconducting magnet coil support structure (20) includes a solid body (21) having an exterior side (24), an interior portion (26), and an interior side (28). The interior portion has a base (36) that is formed of a first resin material. The exterior side (24) has multiple spacers (32) and multiple pockets (34) with dimensions that correspond to dimensions of a superconducting magnet (14). The spacers (32) are coupled to the base (36) and are formed of a second resin material. The exterior side (24), the interior portion (26), and the interior side (28) include varying width material.